

SEAL ASSEMBLY FOR TURBINE, BUCKET/TURBINE INCLUDING SAME,
METHOD FOR SEALING INTERFACE BETWEEN ROTATING AND
STATIONARY COMPONENTS OF A TURBINE

ABSTRACT OF THE DISCLOSURE

[0037] A rotary machine includes a rotatable rotor, buckets radially mounted on and spaced apart about the rotor, a stationary stator/casing disposed about and radially outward from the rotor defining an annular gap between the casing and tips of the buckets, and an abradable seal member provided to the bucket tip portions and disposed within the annular gap such that during differential growth of the rotor and buckets relative to the casing the seal member abrades in response to contact with a base seal member provided to the stator casing. Thereby, clearance between the stator casing and bucket tips is minimized between the moving bucket tips with the stator casing.